SEQUENCE LISTING

<110>	UHLMANN, Eugen BREIPOHL, Gerhard WILL, David W	
<120>	POLYAMIDE NUCLEIC ACID DERIVATIVES, AND AGENTS AND PROCESSES FOR PREPARING THEM	
<130>	02481.1743 SEQUENCE LISTING	
	Not Yet Known 2001-04-16	
<160>	53	
<170>	PatentIn Ver. 2.1	
<210>	1	
<211>	21	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: base sequence of PNA targeting viral or cellular targets	
<400>	1	
gcgttt	gete ttettettge g	21
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: base sequence of PNA targeting \ensuremath{CMV}	
<400>	2	
acacco	caatt ctgaaaatgg	20
<210>		
<211>		
<212>		
<213>	Artificial Sequence	

<220>					
<223>	Description of Artificial of PNA targeting CMV	Sequence:	base	sequence	
<400>	3				
aggtc	ectgt tegggegeea				20
<210>	4				
<211>					
<212>	DNA Artificial Sequence				
	III CIII CIII CIII CIII CIII CIII CIII				
<220>					
<223>	Description of Artificial of PNA targeting CMV	sequence:	base	sequence	
	or run dangering en.				
<400>					20
gcggg	getee atgggggteg				20
<210>					
<211> <212>					
	Artificial Sequence				
<220>	Description of Artificial	Samiance:	hase	seguence	
\223/	of PNA targeting CMV	bequence.	Dube	Joqueoo	
<400>					15
cayco	gcaac ccagc				
<210> <211>					
<212>					
<213>	Artificial Sequence				
<220>					
	Description of Artificial	Sequence:	base	sequence	
	of PNA targeting CMV				
<400>	6				
	ogtoa t				11

```
<210> 7
<211> 22
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: base sequence
      of PNA targeting CMV
<400> 7
                                                                   22
ttccgtcatc gctcctcagg gg
<210> 8
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: base sequence
      of PNA targeting CMV
<400> 8
                                                                   15
ggctgccatg gtccc
<210> 9
<211> 21
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: base sequence
      of PNA targeting CMV
<400> 9
                                                                   21
ggctgctgga gcggggcaca c
<210> 10
<211> 15
<212> DNA
<213> Artificial Sequence
<220>
<223> Description of Artificial Sequence: base sequence
      of PNA targeting CMV
```

	<400>	10	
	aacgt	tgagg ggcat	15
	<210>	11	
	<211>	18	
	<212>	DNA	
	<213>	Artificial Sequence	
	<220>		
	<223>	Description of Artificial Sequence: base sequence of PNA targeting ${\sf CMV}$	
	<400>	11	
	gtgcc	ggggt cttcgggc	18
-	<210>	12	
Ö	<211>		
0	<212>		
Ú N		Artificial Sequence	
4			
4	<220>		
3	<223>	Description of Artificial Sequence: base sequence of PNA targeting CMV	
	<400>	. 12	
		acatc atogtgg	17
닉	, ,		
ah ah			
	<210>		
	<211>		
	<212>	· DNA · Artificial Sequence	
	\213 <i>></i>	Aftificial Sequence	
	<220>		
	<223>	Description of Artificial Sequence: base sequence	
		of PNA targeting CMV	
	<400>	• 13	
	qqaqa	acatc atggtcgaaa g	21
		-	
	<210>	. 14	
	<211>		
	<212>		
	<213>	Artificial Sequence	

<220> <223>	Description of Artificial of PNA targeting CMV	Sequence:	base	sequence	
<400> cccga	14 gaaca tcatggtcga ag				22
<210> <211> <212> <213>	20				
<220> <223>	Description of Artificial of PNA targeting CMV	Sequence:	base	sequence	
<400> ggggaa	15 aagcc cggcaagggg				20
<210> <211> <212> <213>	20				
<220> <223>	Description of Artificial of PNA targeting CMV	Sequence:	base	sequence	
<400> caccco	16 geett ggeeteecae				20
<210> <211> <212> <213>	18				
<220> <223>	Description of Artificial of PNA targeting CMV	Sequence:	base	sequence	
<400> gggact	17 ceegg egeagege				18

<210> 18

<211>	20				
<212>					
<213>	Artificial Sequence				
<220>					
	Description of Artificial	C	h = = =		
\ZZ3/	of PNA targeting CMV	sequence:	Dase	sequence	
	of PNA targeting CMV				
<400>	18				
ggcaa	acttt cttttcctcc				20
<210>	3.0				
<210>					
<211>					
	Artificial Sequence				
(213)	Artificial Sequence				
<220>					
<223>	Description of Artificial	Sequence:	base	sequence	
	of PNA targeting CMV				
<400>	10				
					19
gggaa	ggagg aggatgagg				19
<210>	20				
<211>	21				
<212>	DNA				
<213>	Artificial Sequence				
<220>					
	December of Berificial				
\223 >	Description of Artificial	sequence:	base	sequence	
	of PNA targeting CMV				
<400>	20				
ggcag	catc cagettegga g				21
<210>	21				
<211> <212>					
\Z13>	Artificial Sequence				
<220>					
<223>	Description of Artificial	Sequence:	base	sequence	
	of PNA targeting CMV				
<400>	21				

<210>	22	
<211>	19	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
	Description of Artificial Sequence: base sequence	
~2237	of PNA targeting CMV	
<400>	22	
geget	gatag acatccatg	19
<210>	23	
<211>		
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: base sequence	
	of PNA targeting CMV	
<400>	23	
	cccga cc	12
33-33		
<210>	24	
<211>	12	
<212>		
<213>	Artificial Sequence	
<220>		
	Description of Artificial Sequence: base sequence	
1225	of PNA targeting CMV	
<400>	24	12
ggttt	cggag gc	12
<210>	25	
<211>	12	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<220>		

<223>	Description of Artificial of PNA targeting CMV	Sequence:	base	sequence	
<400>	25				
tggtg	gaggt ag				12
<210>	26				
<211>					
<212>					
	Artificial Sequence				
<220>					
<223>	Description of Artificial	Sequence:	base	sequence	
	of PNA targeting CMV				
<400>	26				
	26 gtgga gg				12
goarg	30330 33				
<210>	27				
<211>	12				
<212>	DNA				
<213>	Artificial Sequence				
<220>					
	Description of Artificial	Sequence:	hase	seguence	
12257	of PNA targeting CMV	ooquooo.	2000	o o quoco	
<400>	27				
ttggca	atggt gg				12
<210>	28				
<211>					
<212>					
<213>	Artificial Sequence				
<220>					
<223>	Description of Artificial	Sequence:	base	sequence	
	of PNA targeting CMV				
<400>	28				
	ggacc ac				12
<210>					
<211>	12				

.010	212	
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: base sequence	
	of PNA targeting CMV	
	of the cargeding one	
<400>	29	
cageet	ggga cc	12
<210>	30	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: base sequence	
12207	of PNA targeting CMV	
	OI PNA targeting CMV	
<400>	30	
tgcago	cetgg ga	12
<210>	31	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: base sequence	
12237	of PNA targeting CMV	
	of PNA targeting CMV	
<400>	31	
gtgcag	geetg gg	12
<210>	32	
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: base sequence	
	of PNA targeting CMV	
	of this outgoing one	
<400>		
ggtgc	agcet gg	12

<210>	33				
<211>	12				
<212>					
<213>	Artificial Sequence				
<220>	Description of Artificial		haaa		
<2232	of PNA targeting CMV	sequence:	Dase	sequence	
	of FNA targeting CMV				
<400>	33				
atgggt	geag ee				12
<210>					
<211>					
<212>					
<213>	Artificial Sequence				
<220>					
	Description of Artificial	Saguanca:	hace	seguence	
12257	of PNA targeting CMV	boquooc.	2000	004400000	
	or run cargoring on				
<400>	34				
ggctt	gaaga tg				12
<210>					
<211> <212>					
	Artificial Sequence				
12137	Artificial Sequence				
<220>					
<223>	Description of Artificial	Sequence:	base	sequence	
	of PNA targeting CMV				
<400>					
gcagco	cccg ca				12
<210>	36				
<211>					
<212>					
<213>	Artificial Sequence				
<220>					
1000	December of Burners		h		

of PNA targeting CMV

<400> gcagca	36 agood oo	12
<210>		
<211>		
<212>		
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: base sequence of PNA targeting CMV	
<400>	37	
tecego	cctgt gacatgcatt	20
<210>	38	
<211>		
<212>	DNA	
<213>	Artificial Sequence	
<220>		
	Description of Artificial Sequence: base sequence	
	of PNA targeting CMV	
	••	
<400>	38 ogotg gtgagtttca	20
guldu	egety gryagettea	
<210>		
<211> <212>		
	Artificial Sequence	
\213>	Altificial Sequence	
<220>		
<223>	Description of Artificial Sequence: base sequence	
	of PNA targeting CMV	
<400>	39	
gcgtg	cctcc tcactggc	18
<210>	40	
<211>		
<212>		

<213>	Artificial Sequence	
<220>		
	Description of Artificial Sequence: base sequence	
	of PNA targeting CMV	
<400>		18
gcagta	aagca tocatato	10
<210>	41	
<211>	20	
<212>	DNA	
<213>	Artificial Sequence	
<220>	Description of Artificial Sequence: base sequence	
<223>	of PNA targeting CMV	
	of the cargoring on	
<400>	41	
gccca	agetg gcateegtea	20
<210>	12	
<211>		
<212>		
	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: base sequence	
	of PNA targeting CMV	
<400>	. 42	
ccccc	accac tteceetete	20
<210>	. 43	
<211>		
<212>		
	Artificial Sequence	
<220>		
<2232	Description of Artificial Sequence: base sequence	
	of PNA targeting CMV	
<4002	> 43	
	cecace acttececte	20

<210> <211>					
<212>					
	Artificial Sequence				
	1				
<220>					
<223>	Description of Artificial of PNA targeting CMV	Sequence:	base	sequence	
<400>	4.4				
gctgg	gagcc atagcgagg				19
<210>					
<211>					
<212>					
<213>	Artificial Sequence				
<220>					
	Description of Artificial	Sequence:	base	seguence	
	of PNA targeting CMV	o a quotioo .		004001100	
<400>	45				
actgc	geet ettgteteag g				21
<210>					
<211> <212>					
	Artificial Sequence				
\Z13>	Artificial Sequence				
<220>					
<223>	Description of Artificial	Sequence:	base	sequence	
	of PNA targeting CMV				
<400>					
caatca	aatga cttcaagagt tc				22
<210>	47				
<211>					
<212>					
	Artificial Sequence				
<220>					
<223>	Description of Artificial of PNA targeting CMV	Sequence:	base	sequence	

<400> 47	18
geggeggaaa agecateg	10
<210> 48	
<211> 18	
<212> DNA	
<213> Artificial Sequence	
<220>	
<223> Description of Artificial Sequence: base sequence	
of PNA targeting CMV	
<400> 48	
gtgtcggggt ctccgggc	18
5-93333	
<210> 49	
<211> 15	
<212> DNA	
<213> Artificial Sequence	
72137 1111111111111111111111111111111111	
<220>	
<223> Description of Artificial Sequence: base sequence of PNA targeting CMV	
<400> 49	
cacgttgagg ggcat	15
Cacytogagy 55v	
.010: 50	
<210> 50 <211> 18	
<212> DNA	
<213> Artificial Sequence	
(213) Abelitead Bodeson	
<220>	
<223> Description of Artificial Sequence: base sequence	
of PNA targeting CMV	
<400> 50	
gtcttccata gttactca	18
<210> 51	
<211> 18	
<212> DNA	
<213> Artificial Sequence	

18
21
11
11